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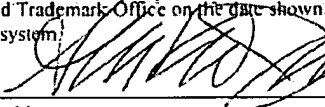
Patent
Case No.: 55763US002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: ROSENFLANZ, ANATOLY Z.
Patent No.: 7384438 Application No.: 09/618876
Dated: June 10, 2008 Confirmation No. 1595
Title: FUSED Al₂O₃-Y₂O₃-ZrO₂ EUTECTIC ABRASIVE ARTICLES,
ABRASIVE ARTICLES, AND METHODS OF MAKING AND
USING THE SAME

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR § 1.322 AND 1.323

Commissioner for Patents
Office of Publication
Attn: Certificate of Correction Branch
P.O. Box 1450
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CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR § 1.8(a)]	
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Feb. 4, 2009 	
Date	Signed by: Sherri K.W. Johnson

Dear Sir:

It is respectfully requested that a Certificate of Correction be issued in connection with the above-identified patent. The required text is submitted on the attached form.

The errors are attributable to both the Applicants and the Patent and Trademark Office.

Fees

- ☒ Any required fee will be made at the time of submission via EFS-Web. In the event fees are not or cannot be paid at the time of EFS-Web submission, please charge any fees under 37 CFR § 1.20(a) which may be required to Deposit Account No. 13-3723.
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- ☒ Please charge any additional fees associated with the prosecution of this application to Deposit Account No. 13-3723. This authorization includes the fee for any necessary extension of time under 37 CFR § 1.136(a). To the extent any such extension should become necessary, it is hereby requested.
- ☒ Please credit any overpayment to the same deposit account.

Respectfully submitted,

2-2-2009
Date

By: Scott A. Baum
Scott A. Baum, Reg. No.: 51,237
Telephone No.: 651-733-1534

Office of Intellectual Property Counsel
3M Innovative Properties Company
Facsimile No.: 651-736-3833

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 1 of 8

PATENT NO.: 7384438
DATED: June 10, 2008
FIRST NAMED INVENTOR: ROSENFLANZ, ANATOLY Z.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1

Line 1, delete " $\text{Al}_2\text{O}_3\text{-Y}_2\text{O}_3\text{-ZrO}_2$ " and insert - - $\text{Al}_2\text{O}_3\text{-Y}_2\text{O}_3\text{-ZrO}_2$ - -, therefor.
Line 41, delete "al.))(also" and insert - - al.)) (also - -, therefor.

Column 2

Line 9, delete "(Larmnie)," and insert - - (Larmie), - -, therefor.
Line 10, delete "(Larmnie)," and insert - - (Larmie), - -, therefor.
Line 44, delete "stones)." and insert - - stones. - -, therefor.
Line 55, delete "4,898,587." and insert - - 4,898,587 - -, therefor.

Column 3

Line 13, delete " $\text{Al}_2\text{O}_3\text{.Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3\text{·Y}_2\text{O}_3$, - -, therefor.
Line 15, delete " $\text{Al}_2\text{O}_3\text{.Y}_2\text{O}_3$)," and insert - - $\text{Al}_2\text{O}_3\text{·Y}_2\text{O}_3$), - -, therefor.
Line 16, delete " $\text{Al}_2\text{O}_3\text{.Y}_2\text{O}_3$." and insert - - $\text{Al}_2\text{O}_3\text{·Y}_2\text{O}_3$. - -, therefor.
Line 18, delete " $\text{Al}_2\text{O}_3\text{.Y}_2\text{O}_3$." and insert - - $\text{Al}_2\text{O}_3\text{·Y}_2\text{O}_3$. - -, therefor.
Line 20, delete " $\text{Al}_2\text{O}_3\text{.Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3\text{·Y}_2\text{O}_3$, - -, therefor.
Line 21, delete " $\text{Al}_2\text{O}_3\text{.Y}_2\text{O}_3$ " and insert - - $\text{Al}_2\text{O}_3\text{·Y}_2\text{O}_3$ - -, therefor.
Line 28, delete " $\text{Al}_2\text{O}_3\text{.Y}_2\text{O}_3$ " and insert - - $\text{Al}_2\text{O}_3\text{·Y}_2\text{O}_3$ - -, therefor.
Line 34, delete " $\text{Al}_2\text{O}_3\text{.Y}_2\text{O}_3$ " and insert - - $\text{Al}_2\text{O}_3\text{·Y}_2\text{O}_3$ - -, therefor.
Line 51, delete " $\text{Al}_2\text{O}_3\text{.metal}$ " and insert - - $\text{Al}_2\text{O}_3\text{·metal}$ - -, therefor.
Line 56, delete " $\text{Al}_2\text{O}_3\text{.Y}_2\text{O}_3$ " and insert - - $\text{Al}_2\text{O}_3\text{·Y}_2\text{O}_3$ - -, therefor.
Line 58, delete " $\text{Y}_3\text{Al}_5\text{O}_{12}$ " and insert - - $\text{Y}_3\text{Al}_5\text{O}_{12}$ - -, therefor.
Line 59, delete " $\text{Al}_2\text{O}_3\text{.rare}$ " and insert - - $\text{Al}_2\text{O}_3\text{·rare}$ - -, therefor.
Line 62, delete " $\text{Dy}_3\text{Al}_5\text{O}_{12}$ " and insert - - $\text{Dy}_3\text{Al}_5\text{O}_{12}$ - -, therefor.
Line 64, delete " Dy_2O_3 ," and insert - - Dy_2O_3 , - -, therefor.
Line 64, delete " Ho_2O_3 ," and insert - - HO_2O_3 , - -, therefor.

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**OFFICE OF INTELLECTUAL PROPERTY COUNSEL
3M INNOVATIVE PROPERTIES COMPANY
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CERTIFICATE OF CORRECTION

Page 2 of 8

PATENT NO.: 7384438
DATED: June 10, 2008
FIRST NAMED INVENTOR: ROSENFLANZ, ANATOLY Z.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 5

Line 45, delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 46, delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 49, delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 50, delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 52, delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 53, delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 56, before "oxide" delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 56, after "complex" delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 58, delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 59, delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 65, delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.

Column 6

Line 1, before "oxide" delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 1, after "complex" delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 4, delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 5, delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 7, delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 9, delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 11, delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 13, delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 15, delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 17, delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.
Line 44, delete "Al₂O₃.Y₂O₃," and insert - - Al₂O₃.Y₂O₃ - -, therefor.
Line 47, delete "Al₂O₃.Y₂O₃" and insert - - Al₂O₃.Y₂O₃ - -, therefor.
Line 50, delete "Al₂O₃.Y₂O₃," and insert - - Al₂O₃.Y₂O₃ - -, therefor.

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Page 3 of 8

PATENT NO.: 7384438
DATED: June 10, 2008
FIRST NAMED INVENTOR: ROSENFLANZ, ANATOLY Z.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 7

Line 7, before "oxide" delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.

Line 7, after "complex" delete "Y₂O₃.metal" and insert - - Y₂O₃.metal - -, therefor.

Column 8

Line 17, delete "Al₂O₃.Y₂O₃" and insert - - Al₂O₃.Y₂O₃ - -, therefor.

Line 18, after "ZrO₂" insert - - phase, the - -.

Line 19, delete "Al₂O₃.Y₂O₃," and insert - - Al₂O₃.Y₂O₃, - -, therefor.

Line 22, delete "Al₂O₃.Y₂O₃," and insert - - Al₂O₃.Y₂O₃, - -, therefor.

Line 58, delete "Al₂O₃.metal" and insert - - Al₂O₃.metal - -, therefor.

Column 9

Line 2, delete "Y₂O₃.metal" and insert - - Y₂O₃.metal - -, therefor.

Line 10, delete "hafnia." and insert - - hafnia. - -, therefor.

Line 63, delete "other.than" and insert - - other than - -, therefor.

Column 10

Line 45, before "No. 3,891,408" delete "Pat," and insert - - Pat. - -, therefor.

Line 45, after "U.S." delete "Pat," and insert - - Pat. - -, therefor.

Line 46, before "No. 4,070,796" delete "Pat," and insert - - Pat. - -, therefor.

Line 46, after "U.S." delete "Pat," and insert - - Pat. - -, therefor.

Line 47, after "U.S." delete "Pat," and insert - - Pat. - -, therefor.

Line 48, before "No. 4,457,767" delete "Pat," and insert - - Pat. - -, therefor.

Line 48, after "U.S." delete "Pat," and insert - - Pat. - -, therefor.

Line 53, after "include" delete "are" and insert - - arc - -, therefor.

Line 53, after "furnace," delete "are" and insert - - arc - -, therefor.

Line 54, delete "are" and insert - - arc - -, therefor.

Line 56, delete "arc", and insert - - arc", - -, therefor.

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Page 4 of 8

PATENT NO.: 7384438
DATED: June 10, 2008
FIRST NAMED INVENTOR: ROSENFLANZ, ANATOLY Z.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 11

Line 54, delete "are" and insert - - arc - -, therefor.

Column 12

Line 39, delete "Pat," and insert - - Pat. - -, therefor.

Line 40, delete "Pat," and insert - - Pat. - -, therefor.

Line 41, before "No. 4,194,887" delete "Pat," and insert - - Pat. - -, therefor.

Line 41, after "(Ueltz et al.), U.S." delete "Pat," and insert - - Pat. - -, therefor.

Line 42, delete "Pat," and insert - - Pat. - -, therefor.

Line 43, delete "Pat," and insert - - Pat. - -, therefor.

Column 14

Line 3, delete "JIs220," and insert - - JIS220, - -, therefor.

Column 17

Line 48, delete "lonta" and insert - - Ionta - -, therefor.

Line 57, delete "c," and insert - - α, β - -, therefor.

Column 18

Line 33, delete "1 100°" and insert - - 1100° - -, therefor.

Column 19

Line 12, delete "tetrachloronaphtalene," and insert - - tetrachloronaphthalene, - -, therefor.

Line 16, delete "tetrafluoraboate," and insert - - tetrafluoraborate, - -, therefor.

Line 67, delete "(Larmnie)," and insert - - (Larmie), - -, therefor.

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Page 5 of 8

PATENT NO.: 7384438
DATED: June 10, 2008
FIRST NAMED INVENTOR: ROSENFLANZ, ANATOLY Z.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 20

Line 37, delete "example,," and insert - - exemplé, - -, therefor.

Column 22

Line 22, delete "are" and insert - - arc - -, therefor.

Line 28, delete "are" and insert - - arc - -, therefor.

Line 29, delete "are" and insert - - arc - -, therefor.

Line 33, delete "are" and insert - - arc - -, therefor.

Line 47, delete "EL" and insert - - IL - -, therefor.

Column 24

Line 49, delete "vol" and insert - - vol. - -, therefor.

Column 27

Line 24, delete "1 micrometer." and insert - - 2 micrometers. - -, therefor.

Line 60, delete "Was" and insert - - was - -, therefor.

Column 31

Line 51, delete "icolonies" and insert - - colonies - -, therefor.

Line 56, delete "ac-" and insert - - α - -, therefor.

Column 32

Line 28, in Claim 1, delete " $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$." and insert - - $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$, - -, therefor.

Line 29, in Claim 1, delete " $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$." and insert - - $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$, - -, therefor.

Line 30, in Claim 2, after "1" insert - - wherein - -.

Line 58, in Claim 9, delete " Al_2O_3 .rare" and insert - - Al_2O_3 .rare - -, therefor.

Line 63, in Claim 10, delete " Al_2O_3 .metal" and insert - - Al_2O_3 .metal - -, therefor.

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PATENT NO. 7384438

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Page 6 of 8

PATENT NO.: 7384438
DATED: June 10, 2008
FIRST NAMED INVENTOR: ROSENFLANZ, ANATOLY Z.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 33

Line 2, in Claim 12, delete "ar" and insert - - at - -, therefor.
Line 3, in Claim 12, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ or" and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ or - -, therefor.
Line 4, in Claim 12, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ " and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ - -, therefor.
Line 17, in Claim 13, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ " and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ - -, therefor.
Line 18, in Claim 13, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 27, in Claim 13, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ " and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ - -, therefor.
Line 28, in Claim 13, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ " and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ - -, therefor.
Line 37, in Claim 14, delete "eutectic" and insert - - eutectic - -, therefor.
Line 40, in Claim 14, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 41, in Claim 14, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 51, in Claim 14, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ " and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ - -, therefor.
Line 52, in Claim 14, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ " and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ - -, therefor.
Line 65, in Claim 15, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 66, in Claim 15, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 67, in Claim 15, after "fused" insert - -, - -.

Column 34

Line 8, in Claim 15, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ " and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ - -, therefor.
Line 9, in Claim 15, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ " and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ - -, therefor.
Line 18, in Claim 17, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 36, in Claim 21, delete " Al_2O_3 .metal" and insert - - Al_2O_3 .metal - -, therefor.
Line 43, in Claim 23, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 44, in Claim 23, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 62, in Claim 27, delete " Al_2O_3 .metal" and insert - - Al_2O_3 .metal - -, therefor.

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PATENT NO. 7384438

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CERTIFICATE OF CORRECTION

Page 7 of 8

PATENT NO.: 7384438
DATED: June 10, 2008
FIRST NAMED INVENTOR: ROSENFLANZ, ANATOLY Z.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 35

Line 8, in Claim 29, delete " $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$ " and insert - - $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$ - -, therefor.
Line 25, in Claim 33, after "comprise" delete "comprises".
Line 28, in Claim 33, delete " Al_2O_3 metal" and insert - - Al_2O_3 ·metal - -, therefor.
Line 42, in Claim 37, delete " $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$, - -, therefor.
Line 43, in Claim 37, delete " $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$, - -, therefor.
Line 67, in Claim 41, delete " $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$, - -, therefor.

Column 36

Line 3, in Claim 42, delete " $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$, - -, therefor.
Line 4, in Claim 42, delete " $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$, - -, therefor.
Line 9, in Claim 43, delete " $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$ " and insert - - $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$ - -, therefor.
Line 31, in Claim 44, delete " $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$, - -, therefor.
Line 32, in Claim 44, delete " $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$, - -, therefor.
Line 43, in Claim 48, delete " $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$, - -, therefor.
Line 46, in Claim 49, delete " $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$, - -, therefor.
Line 47, in Claim 49, delete " $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$, - -, therefor.
Line 53, in Claim 50, delete " $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$ " and insert - - $\text{Al}_2\text{O}_3\cdot\text{Y}_2\text{O}_3$ - -, therefor.

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CERTIFICATE OF CORRECTION

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PATENT NO.: 7384438
DATED: June 10, 2008
FIRST NAMED INVENTOR: ROSENFLANZ, ANATOLY Z.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 37

Line 1, in Claim 52, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 2, in Claim 52, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 14, in Claim 56, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 17, in Claim 57, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 18, in Claim 57, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 26, in Claim 58, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 37, in Claim 60, delete "reselective" and insert - - respective - -, therefor.
Line 41, in Claim 60, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 42, in Claim 60, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 45, in Claim 60, delete "fired" and insert - - fused - -, therefor.
Line 51, in Claim 61, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 54, in Claim 62, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 55, in Claim 62, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 64, in Claim 63, delete "eutectic" and insert - - eutectic - -, therefor.
Line 65, in Claim 63, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ " and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$ - -, therefor.

Column 38

Line 6, in Claim 64, before "is eutectic" insert - - further comprises
crystalline Al_2O_3 such that said eutectic - -.
Line 7, in Claim 64, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 10, in Claim 65, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 11, in Claim 65, delete " $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$," and insert - - $\text{Al}_2\text{O}_3 \cdot \text{Y}_2\text{O}_3$, - -, therefor.
Line 28, in Claim 68, delete "JS8000," and insert - - JIS8000, - -, therefor.
Line 43, in Claim 71, delete "JIS100," and insert - - JIS1000, - -, therefor.
Line 64, in Claim 80, delete "steel, tool steel," and insert - - steel tool, steel, - -, therefor.

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